Sub. B4>

33. A system for adjusting cognitive function of a postnatal human comprising:

means for determining a pattern of sonic variations, said pattern comprising a plurality of sequences of tones, each sequence being repeated at a predetermined tempo;

means for selecting each of said sequences of tones to be transmitted at a predetermined time during a predetermined period; and

A3

means for transmitting each of said sequences of tones in soundwave form to said human during said predetermined period,

wherein said tones in said pattern of sonic variations are a baseline tone or a tonal variation from said baseline tone in which subsequent sequences increase or decrease in tempo.

Sub. B5>

A4

36. A system for adjusting cognitive function of a postnatal human comprising:

means for determining a pattern of sonic variations, said pattern comprising a plurality of sequences of tones, each sequence being repeated at a predetermined tempo;

means for selecting each of said sequences of tones to be transmitted at a predetermined time during a predetermined period;

means for transmitting each of said sequences of tones in soundwave form to said human during said predetermined period; and

means for positioning a transmission means proximate to a forehead of said human and transmitting said sequence of tones aurally.

37. A system for increasing cognitive function of a premature baby comprising:

means for determining a pattern of sonic variations, said pattern comprising a plurality of sequences of tones, each sequence being repeated at a predetermined tempo;

means for selecting each of said sequences of tones to be transmitted at a predetermined time; and

means for transmitting each of said sequences of tones in soundwave form to said premature baby.

42. A method for improving cognitive function of a fetus in utero in a woman, comprising the steps of:

determining a pattern of sonic variations, said pattern comprising a plurality of sequences of tones, each sequence being repeated at a predetermined tempo;

determining an in utero maternal baseline tone, each of said sequence of tones is said in utero maternal baseline tone or a tonal variation from said in utero maternal baseline tone; and

transmitting each of said sequences of tones in soundwave form to said fetus during different periods within the term of the pregnancy,

wherein said tonal variations of each subsequent said sequence of tones is selected to be increased during the term of the pregnancy.

43. A system for adjusting cognitive function of a postnatal human comprising:

means for determining a pattern of sonic variations, said pattern comprising a plurality of sequences of tones, each sequence being repeated at a predetermined tempo;

means for selecting each of said sequences of tones to be transmitted at a predetermined time during a predetermined period;

means for transmitting each of said sequences of tones in soundwave form to said human during said predetermined period; and

means for positioning a transmission means proximate to a forehead of said human and transmitting said sequence of tones aurally.